



**Connecting Innovative
Small & Big Businesses**
29 June 2015
Crowne Plaza Brussels – Le Palace,
Rue Gineste 3, Brussels

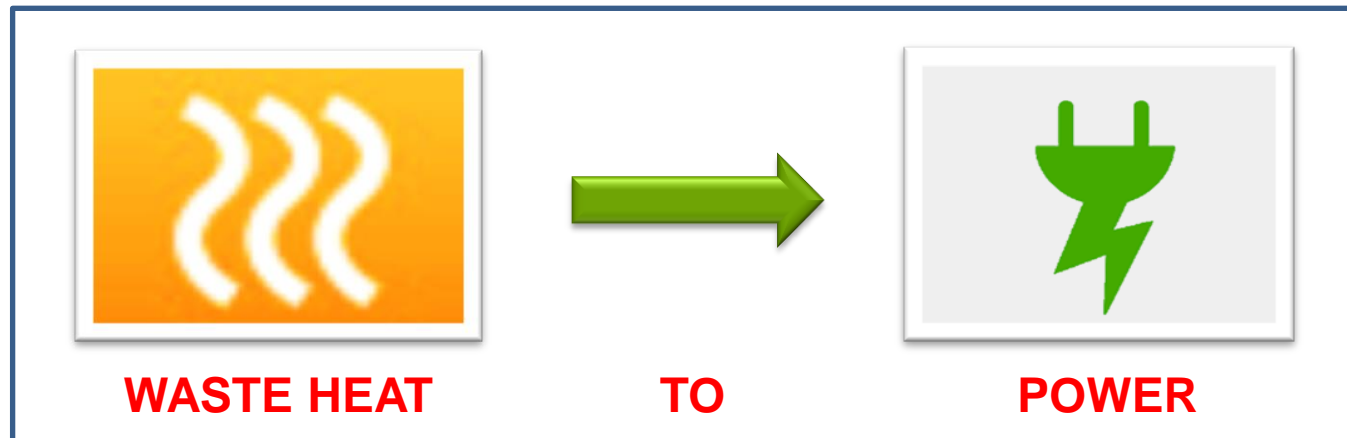
WASTE HEAT TO POWER

www.spire2030.eu



EN3 GmbH

WE DEVELOP SYSTEMS THAT TURN WASTE HEAT INTO ELECTRICITY.



HEADQUARTER IN ROSTOCK (GERMANY) / LIMITED LIABILITY COMPANY /
FOUNDED 2009 / 14 EMPLOYEES / SHAREHOLDER: PRIVATE INVESTORS AND VC-
COMPANIES.

- NOVEL EXPANSION MACHINE FOR SMALL SCALE WASTE HEAT RECOVERY SYSTEMS (1 – 50 KW).
- FOR INTERNAL COMBUSTION ENGINES (IC) AND INDUSTRIAL WASTE HEAT.

KEY BENIFITS

- REDUCTION IN PRIMARY ENERGY CONSUMPTION BY UP TO 15%
- INCREASED EFFICIENCY OF ENGINES AND INDUSTRIAL PROCESSES
- CO2-FREE ELECTRICITY GENERATION
- SHORT AMORTIZATION PERIOD (2.5 YEARS)

MARKET FOR INDUSTRIAL WASTE HEAT

\$ 53.12 BILLION

MARKET FOR IC-ENGINES

- GLOBAL PRODUCTION 2013

Segment	Production in 2013
Commercial vehicles	5,200,000
Cars	78,300,000
Agricultural vehicles	19,100,000
Power generation (CHP)	11,500,000
Construction	1,800,000
Marine	1,200,000
Railway	50,000

- GREEN CHPS IN EUROPE: 13,800
BIOGAS PLANTS:

CONCEPT:

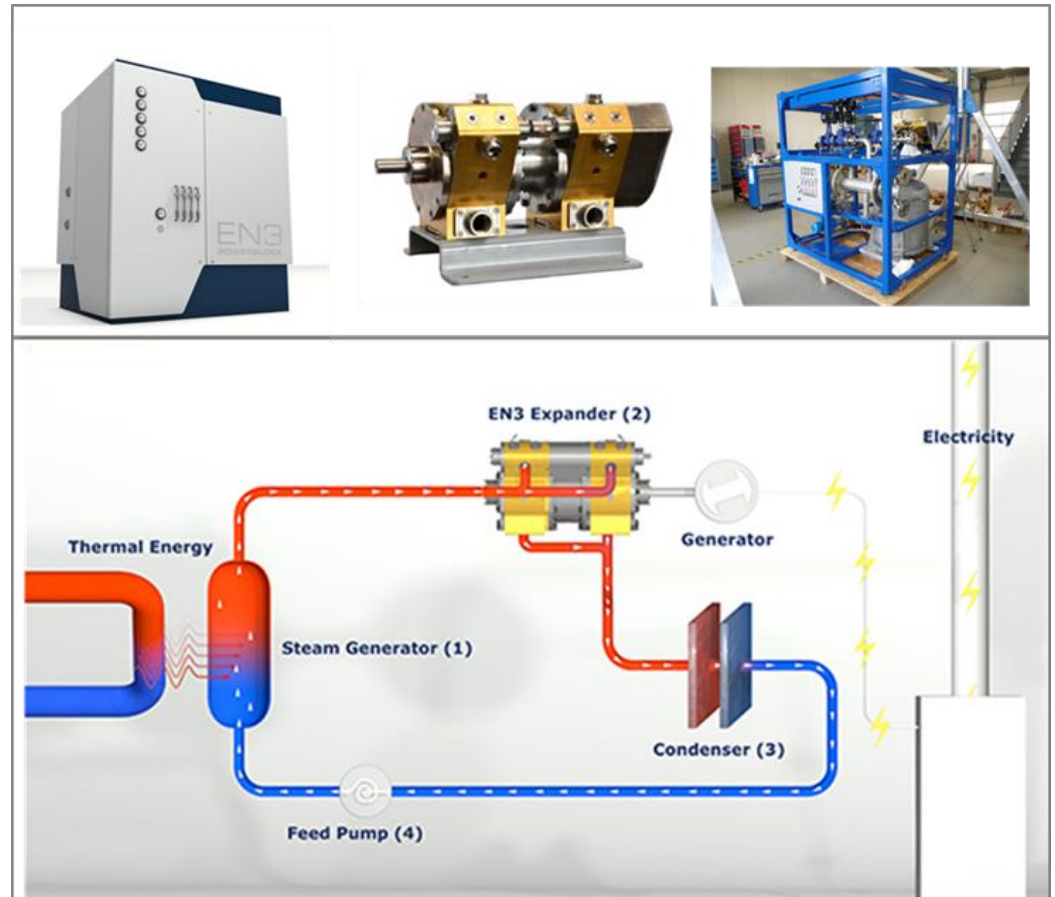
- CLAUSIUS RANKINE CYCLE
- CORE TECHNOLOGY: PATENTED EXPANSION MACHINE

STATUS QUO AND NEXT STEPS:

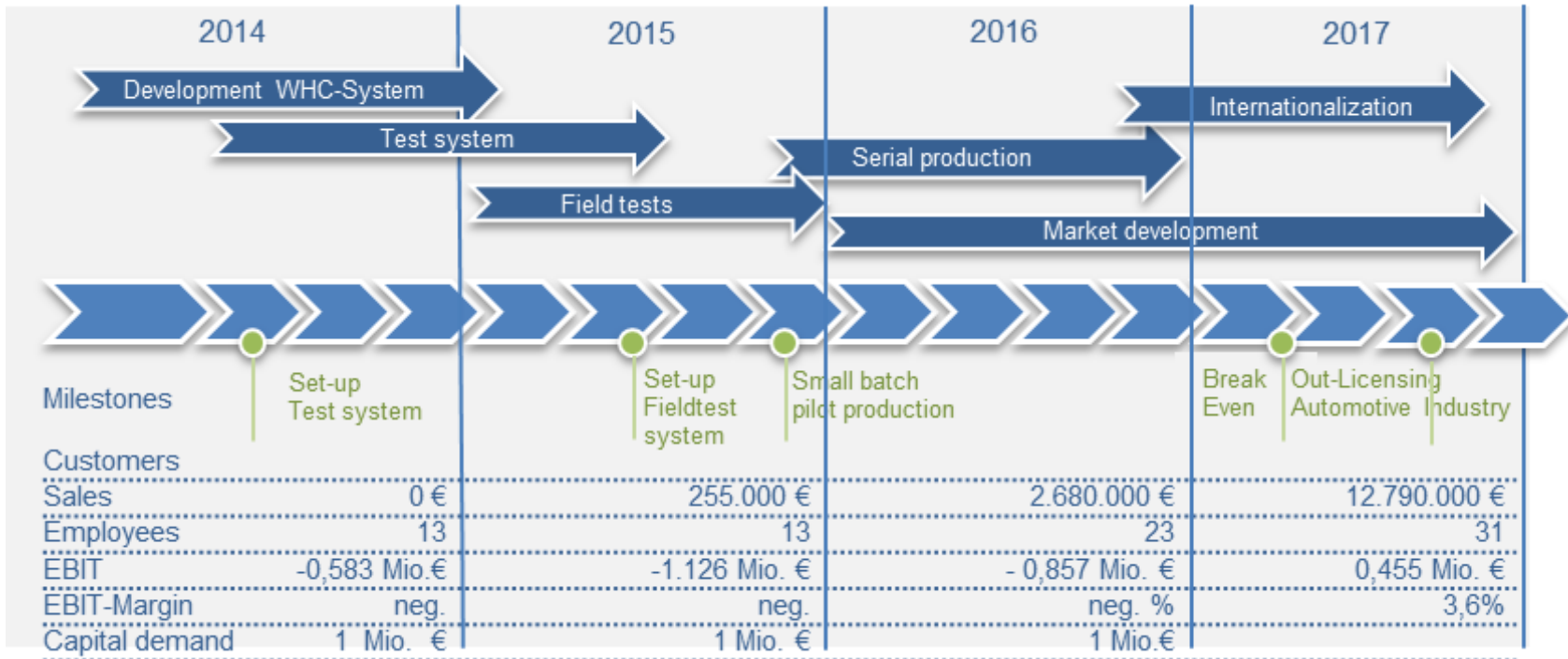
- TRL 6
- NEXT STEPS: DEMONSTRATOR AND PILOT SERIES
- CHALLENGE: SYSTEM COST REDUCTION

WHAT WE ARE LOOKING FOR:

- INVESTORS
- INTERNATIONAL SALES PARTNERS
- CO-OPERATION PARTNERS FOR LIGHTHOUSES
- DEVELOPMENT PARTNERS: INDUSTRIAL & AUTOMOTIVE



INITIAL BUSINESS PLAN



- MARKET ENTRY: 2016
- BREAK EVEN: 2017